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Ranking Tool Summary

for FY2008 - K-LR Watershed

(Draft)

Description:

Kanaranzi-Little Rock Watershed

Land Uses:

Crop, Forest, Grazed Forest, Hay, Headquarters, Pasture, Wildlife

Efficiency Score:

Scoring Multiplier: 198.00

Optional Notes:

National Priorities:

Scoring Multiplier: 0.79

Questions:

Number	Question	Points
1	Will the treatment you intend to implement using EQIP result in considerable reductions of non-point source pollution, such as nutrients, sediment, pesticides, excess salinity in impaired watersheds, groundwater contamination or point source contamination from confined animal feeding operations?	10
2	Will the treatment you intend to implement using EQIP result in a considerable amount of ground or surface water conservation?	10
3	Will the treatment you intend to implement using EQIP result in a considerable reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards?	10
4	Will the treatment you intend to implement using EQIP result in a considerable reduction in soil erosion and sedimentation from unacceptable levels on agricultural land?	10
5	Will the treatment you intend to implement using EQIP result in a considerable increase in the promotion of at-risk species habitat conservation?	10
Total Points		50

State Issues:

Scoring Multiplier: 0.64

Questions:

Sub-heading Number	Question Number	Question	Points
1		Sheet and Rill and /or Wind Erosion - answer only 1 of next 3	
	1	SOIL EROSION - less than 3 tons/ac/yr will be saved by the installed practices from sheet and rill and /or wind erosion	1
	2	SOIL EROSION - 3 to 5 tons/ac/yr soil will be saved by the installed practices from sheet and rill and/or wind erosion	3
	3	SOIL EROSION - greater than 5 tons/ac/yr will be saved by the installed practices from sheet and rill and/or wind erosion	6
2		Soil Conditioning Index	
	4	SOIL EROSION - the Soil Conditioning Index changes from negative to at least 0.0 on the field	2
3		Classic or Ephemeral Gully Erosion	
	5	SOIL EROSION - structural practices Diversion (362), Grade Stabilization	6

		Structure (410), Grassed Waterway (412), Water and Sediment Control Basin (638), Dam (402) or other structural practices will be installed to control ephemeral or gully erosion	
4		Water Resource Protection - answer only 1 of next 3	
	6	NON-POINT SOURCE POLLUTION - Nutrient management (590) will be implemented	8
	7	NON-POINT SOURCE POLLUTION - Conservation Crop Rotation-Organic (328b), Well Decommissioning (351), Riparian Forest Buffer (391), Filter Strip (393), Pest Management on Cropland (595), Sinkhole Treatment (725) or Use Exclusion in a riparian area (472) will be implemented	6
	8	NON-POINT SOURCE POLLUTION - Contour Buffer Strips (332), Field Border (386), Irrigation Water Management (449), Streambank and Shoreline Protection (580), Comprehensive Nutrient Management Plan (100), or, when installed to improve water quality but not part of a complete runoff control system: Diversion (362), Roof Runoff Management (558), and Closure of Waste Impoundment (360) will be implemented	4
5		Livestock Waste - answer only 1 of next 7	
	9	NON-POINT SOURCE POLLUTION - existing MinnFARM/FLEval rating is 1 to 10	1
	10	NON-POINT SOURCE POLLUTION - existing MinnFARM/FLEval rating is 11 to 25	2
	11	NON-POINT SOURCE POLLUTION - existing MinnFARM/FLEval rating is 26 to 49	4
	12	NON-POINT SOURCE POLLUTION - existing MinnFARM/FLEval rating is greater than 49	6
	13	NON-POINT SOURCE POLLUTION - waste storage will be implemented to eliminate a groundwater pollution problem where a feedlot runoff problem does not exist	6
	14	NON-POINT SOURCE POLLUTION - storage or composting of manure is required ONLY to eliminate a land-spreading problem	3
	15	NON-POINT SOURCE POLLUTION - Animal Mortality Facility (316), Silage Leachate Abatement system, or Milkhouse Wastewater system will be implemented to address a single problem.	4
6		Livestock Waste add on	
	16	NON-POINT SOURCE POLLUTION - Animal Mortality Facility (316), Silage Leachate Abatement system, or Milkhouse Wastewater system will be implemented as part of a complete Wastewater and Feedlot Runoff Control system	1
7		Wildlife Habitat - answer all that apply	
	17	HABITAT CONSERVATION - Prescribed Burning (338), Windbreak/Shelterbelt Establishment (380), Stream Habitat Improvement (395), Restoration and Management of Declining Habitat (643), Upland Wildlife Habitat Management (645), Early Successional Habitat Development (647), Wetland Restoration (657), Pond for wildlife (402) or Invasive Plant Species Pest Management (797) will be implemented	6
	18	HABITAT CONSERVATION - A wildlife practice will be implemented that benefits a threatened and endangered species according to MN eFOTG Section II.D	1
	19	HABITAT CONSERVATION - A practice will be implemented that benefits native pollinators according to Native Habitat Development for Pollinators-Minnesota guidelines	1
8		Air Quality - answer only 1 of next 2	
	20	AIR QUALITY - A practice will be implemented specifically to improve air quality	6
	21	AIR QUALITY - A practice will be implemented to address other resource concerns, but also addresses air quality as a secondary concern	1
9		Sensitive Water Bodies	
	22	WATER QUALITY - Sensitive Water Bodies - the application is located within: -a watershed impaired by turbidity, fecal coliform, or excess nutrients -a Source Water Assessment Area -a Drinking Water Supply Management Area with medium to very high vulnerability -a very high to high Sensitivity Aquifer AND the practice will be implemented to address a	8

		water quality concern	
10		Distance to a Receiving Water - answer only 1 of next 7	
	23	WATER QUALITY - Distance to a receiving water - the application addresses soil erosion or non-point source pollution and is less than 100 feet from a receiving water	4
	24	WATER QUALITY - Distance to a receiving water - the application addresses soil erosion or non-point source pollution and is 100 to 500 feet from a receiving water	3
	25	WATER QUALITY - Distance to a receiving water - the application addresses soil erosion or non-point source pollution and is 501 to 1000 feet from a receiving water	2
	26	WATER QUALITY - Distance to a receiving water - the application addresses soil erosion or non-point source pollution and is 1001 to 2000 feet from a receiving water	1
	27	WATER QUALITY - Distance to a receiving water - the application addresses only habitat conservation, grazing systems, or forest management and is less than 100 feet from a receiving water	3
	28	WATER QUALITY - Distance to a receiving water - the application addresses only habitat conservation, grazing systems, or forest management and is 100 to 500 feet from a receiving water	2
	29	WATER QUALITY - Distance to a receiving water - the application addresses only habitat conservation, grazing systems, or forest management and is 501 to 1000 feet from a receiving water	1
11		Grazing Practices	
	30	GRAZING SYSTEMS - Prescribed Grazing (528) including Organic systems will be implemented	6
12		Forest Practices	
	31	FOREST MANAGEMENT - Forest Stand Improvement (666), or Tree Planing (612) will be implemented	6
		Maximum Points: Total Points	114

Local Issues:

Scoring Multiplier: 1.73

Questions:

Sub-heading Number	Question Number	Question	Points
	1	Does the tract have an erosion rate over the soil loss tolerance?	20
	2	Is the tract within 1000 feet of a wetland, creek or a drainage ditch-waterway with a watershed of 500 acres or more?	20
	3	Does the tract have classic gully or ephemeral erosion?	20
		Maximum Points: Total Points	60

Selected Resource Concerns and Practices:

Air Quality: Chemical Drift

Conservation Crop Rotation (328)

Pest Management (595)

Riparian Forest Buffer (391)

Tree/Shrub Establishment (612)

Windbreak/Shelterbelt Establishment (380)

Air Quality: Excessive Greenhouse Gas - CH₄ (methane)

Anaerobic Digester, Controlled Temp. (366)

Animal Mortality Facility (316)

Closure of Waste Impoundment (360)

Nutrient Management (590)

Waste Facility Cover (367)

Air Quality: Objectionable Odors

Anaerobic Digester, Controlled Temp. (366)